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AIR BEARING SLIDER HAVING A BEARING PROFILE CONTOURED FOR PRESSURIZATION PROXIMATE TO NODAL REGIONS OF A SLIDER -DISC INTERFACE

ABSTRACT OF THE DISCLOSURE

An air bearing slider which includes a raised bearing surface or surfaces contoured to limit off nodal pressurization. The air bearing surfaces are located proximate to nodal regions of a height field or profile between the slider and disc surface to limit off-nodal pressurization. The air bearing slider includes a narrow raised bearing surface profile proximate to the trailing edge of the slider body and an expanded intermediate profile along an intermediate portion to provide lift and roll stability proximate to an intermediate nodal region of the slider body to limit off nodal pressurization.

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